CLAIMS

What is claimed is:

1. An information storage medium comprising a reproduction-only area in which recording speed information and/or reproducing speed information which indicate whether a drive can record and/or reproduce data on the information storage medium are recorded.

2. The information storage medium of claim 1, wherein the recording speed information and/or the reproducing speed information are recorded in at least one byte of the reproduction-only area.

3. The information storage medium of claim 1, further comprising:

a lead-in area;

a user data area; and

a lead-out area,

wherein the recording speed information and/or the reproducing speed information is recorded in a reproduction-only area formed in at least one of the lead-in and lead-out areas.

4. The information storage medium of claim 3, wherein the recording speed information and/or the reproducing speed information are recorded in both the lead-in area and the lead-out area.

5. The information storage medium of claim 3, wherein the reproduction-only area is a disk control data zone.

6. The information storage medium of claim 5, wherein the recording speed information and/or the reproducing speed information are recorded in the third through sixth bytes of the disk control zone.

7. The information storage medium of claim 5, wherein the recording speed information and/or the reproducing speed information are recorded in two bytes of the disk control zone.

8. The information storage medium of claim 5, wherein minimum multiple speed data, which is minimum recording speed data or minimum reproducing speed data, is recorded in an m-th byte of the disk control zone and maximum multiple speed data, which is maximum recording speed data or maximum reproducing speed data, is recorded in an n-th byte of the disk control zone, and m and n are one of consecutive of discontinuous numbers.

9. The information storage medium of claim 5, wherein the recording speed information and/or the reproducing speed information are recorded in a combination of the zeroth through seventh bits (b0 through b7) of an m-th byte of the disk control zone.

10. The information storage medium of claim 9, wherein minimum multiple speed data is recorded in one of the first four bits of the zeroth through seventh bits and the last four bits of the zeroth through seventh bits of the m-th byte, and maximum multiple speed data is recordable in the other of the first four bits of the zeroth through seventh bits and the last four bits of the zeroth through seventh bits of the m-th byte.

11. The information storage medium of claim 1, wherein the recording speed information and/or the reproducing speed information include maximum multiple speed data and minimum multiple speed data, the minimum multiple speed data being recorded in an m-th byte of the reproduction-only area, and the maximum multiple speed data being recorded in an n-th byte of the reproduction-only area.

12. The information storage medium of claim 1, wherein the recording speed data and/or the reproducing speed data include maximum multiple speed data and minimum multiple speed data, the minimum multiple speed data being recorded in the first four bits of the 8 bits of an m-th byte of the reproduction-only area, and the maximum multiple speed data being recorded in the last four bits of the 8 bits of the m-th byte of the reproduction-only area.

13. The information storage medium of claim 1, wherein maximum recording speed data, minimum recording speed data, maximum reproducing speed data, and minimum reproducing speed data are recorded in four bytes of the reproduction-only area.

14. The information storage medium of claim 1, wherein the recording speed information and/or the reproducing speed information are recorded using a combination of bits in a byte of the reproduction-only area.

15. The information storage medium of claim 1, wherein the recording speed information and/or the reproducing speed information are recorded in a hexadecimal or binary format.

16. The information storage medium of claim 1, wherein the recording speed information and/or the reproducing speed information are recorded in the reproduction-only area at least two times.

17. A method of recording and/or reproducing data in an information storage medium, the method comprising:

recording, as reproduction-only data in a reproduction-only area, recording speed information and/or reproducing speed information, which is used to indicate speed capabilities to a drive;

and

recording or reproducing data on the information storage medium when a recording speed or a reproducing speed capability of the drive matches the recording speed information or the reproducing speed information.

18. The method of claim 17, wherein the recording and/or reproducing are performed by the drive, and wherein the drive and the information storage medium are based on different standards.

19. The method of claim 17, wherein the recording speed information and/or the reproducing speed information are recorded in at least one byte of the reproduction-only area.

20. The method of claim 17, wherein the information storage medium includes a lead-in area, a user data area, and a lead-out area, and the recording speed information and/or the reproducing speed information is recorded in a reproduction-only area formed in at least one of the lead-in and lead-out areas.

21. The method of claim20, wherein the recording speed information and/or the reproducing speed information are recorded in both the lead-in area and the lead-out area.

22. The method of claim20, wherein the reproduction-only area is a disk control data zone.

23. The method of claim 17, wherein the recording speed information and/or the reproducing speed information include maximum multiple speed data and minimum multiple speed data, the minimum multiple speed data being recorded in an m-th byte of the reproduction-only area, and the maximum multiple speed data being recorded in an n-th byte of the reproduction-only area.

24. The method of claim 17, wherein the recording speed information and/or the reproducing speed information include maximum multiple speed data and minimum multiple speed data, the minimum multiple speed data being recorded in the first four bits of the 8 bits of an m-th byte of the reproduction-only area, and the maximum multiple speed data being recorded in the last four bits of the 8 bits of the m-th byte of the reproduction-only area.

25. The method of claim 17, wherein maximum recording speed data, minimum recording speed data, maximum reproducing speed data, and minimum reproducing speed data are recorded in four bytes of the reproduction-only area.

26. The method of claim 17, wherein maximum recording speed data, minimum recording speed data, maximum reproducing speed data, and minimum reproducing speed data are respectively recorded in four bytes of the reproduction-only area.

27. A drive system for recording and/or reproducing data on an information storage medium having a reproduction-only area in which recording speed information and/or reproducing speed information which indicates whether a drive can record and/or reproduce data on the information storage medium are recorded, comprising:

a pickup which records and/or reproduces the data from the information storage medium,

wherein, when the information storage medium has been inserted into the drive system, the drive system reads out the recording speed information and/or reproducing speed information and records and/or reproduces data according to a recording speed information and/or reproducing speed information.

28. A drive system for recording data on an information storage medium, comprising:

an audio/video (AV) encoder which compresses an AV signal according to a specified compression scheme and outputs compressed AV data;

a digital signal processor which receives the compressed AV data, adds data for electronic code correction (ECC) processing to the compressed AV data, modulates the resulting data according to a specified modulation scheme, and outputs modulated data;

a radio frequency (RF) amplifier which converts the modulated data into an RF signal and outputs the RF signal; and

a pickup which records the RF signal on the information storage medium,

wherein the data includes recording speed information and/or reproducing speed information.

29. A drive system for reproducing data recorded on an information storage medium, comprising;

a pickup which detects an optical signal from the information storage medium;

a radio frequency (RF) amplifier which converts the optical signal into an RF signal of modulated data and outputs the RF signal;

a digital signal processor which demodulates the modulated data according to a modulation scheme, performs error correction code (ECC) processing, and outputs compressed audio/video (AV); and

an AV decoder which decodes the compressed AV data and outputs an AV signal,

wherein the data includes recording speed information and/or reproducing speed information.